

Unit # 3 – Solving Quadratics worksheet

Name :.....

Must SHOW ALL WORK.

Score:.....

Solve by completing the square.

1. $k^2 - 8k = -14$

Solve by factoring.

2. $x^2 - 11x + 19 = -5$

3. $n^2 + 7n = 0$

Solve by taking square roots.

4. $x^2 - 121 = 0$

Solve by using the quadratic formula.

5. $4b^2 + 8b + 3 = 0$

Solve by finding Zeros in calculators

6. $2X^2 + 3X + 5 = 0$

Simplify using complex numbers

7. $3\sqrt{-48}$

8. $(3 + 5i) - (1 + 2i)$

9. $(3 - 4i)(2 + 5i)$